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Examiner William Charles Doerrler	USPTO GAU - 3744 Confirmation No. - 8458	1-571-273-8300	

Date	Client/Matter Number
December 11, 2006	SHI 19,251 (310010-00106)
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**Comments**Serial No. 10/500,786**7 pages - AMENDMENT****For Messenger Department Use Only**

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Barbara FeltonAttorney Docket No.: SHI 19.251 (310010-00106)IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor : Ralph C. LONGSWORTH  
Serial No. : 10/500,786  
Filed : July 2, 2004  
Title : PULSE TUBE COOLING BY CIRCULATION OF  
BUFFER GAS  
Examiner : William Charles Doerrler  
Group Art Unit : 3744  
Confirmation No. : 8458

December 11, 2006

Commissioner For Patents  
PO Box 1450  
Alexandria, VA 22313-1450

AMENDMENT

Responsive to the outstanding Office Action mailed October 10, 2006, in the above-identified application, applicant respectfully requests that the claims be reconsidered in light of the following remarks.